

# STEP PROBES

**FM Choice**

## F731SP

4 A | 94 mil | Threaded



### Electrical specifications

Temperature [°C]	-45°...+100°
Current [A]	4
R <sub>TYP</sub> [mOhm]	<20

### Mechanical specifications

Preload [cN]	50	50	50
Spring force [cN] at nt ±20%	100	150	300
Nominal travel [mm]	3.5	3.5	3.5
Maximum travel [mm]	4.4	4.4	4.4

### Materials and plating

Plunger	BeCu	gold plated
Barrel	Brass	gold plated
Spring	Spring steel	gold plated
Receptacle	Brass	gold plated

### Accessories

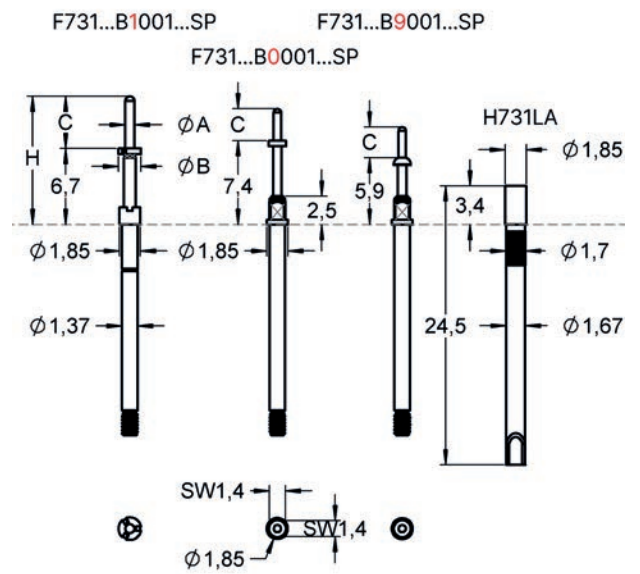
1001844	H731LA	Receptacle
1011671	H731LAST	Receptacle
1014264	FEWZ-100E0	Insertion tool receptacle
1029810	FWZ731T	Screw-in tool probe <math>\varnothing 2.0\text{ mm}</math>

### Drill size recommendation (mm)






































Receptacle with knurl	1.67 - 1.68
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### Series drawing

All measurements are in mm.



# STEP PROBES

Order code	Product name	Tip Style	Ø A	Ø B	C	H	L	Thread [M]	FM Choice
1032529	F73111B0029G100SP	11 	0.60	1.5	2.5	9.9	28.4	M1.4	-
1032523	F73111B0030G100SP	11 	0.60	1.5	3.0	10.4	28.9	M1.4	-
1032524	F73111B0031G100SP	11 	0.60	1.5	3.5	10.9	29.4	M1.4	-
1032525	F73111B0032G100SP	11 	0.60	1.5	4.0	11.4	29.9	M1.4	-
1032526	F73111B0033G100SP	11 	0.60	1.5	4.5	11.9	30.4	M1.4	-
1032527	F73111B0034G100SP	11 	0.60	1.5	5.0	12.4	30.9	M1.4	-
1008720	F73111B0004G150SP	11 	0.65	1.4	5.5	12.9	31.4	M1.4	
1013746	F73111B0006G300SP	11 	0.65	1.5	2.1	9.5	28.0	M1.4	-
1012496	F73111B0012G300SP	11 	0.65	1.5	2.5	9.9	28.4	M1.4	-
1005152	F73111B0002G150SP	11 	0.65	1.5	2.8	10.2	28.7	M1.4	
1000951	F73111B0017G300SP	11 	0.65	1.5	3.0	10.4	28.9	M1.4	
1021760	F73111B0007G080SP	11 	0.65	1.5	3.4	10.8	29.3	M1.4	-
1009912	F73111B0007G150SP	11 	0.65	1.5	3.4	10.8	29.3	M1.4	
1013709	F73111B0007G300SP	11 	0.65	1.5	3.4	10.8	29.3	M1.4	
1005151	F73111B0001G150SP	11 	0.65	1.5	4.0	11.4	29.9	M1.4	
1014639	F73111B0001G300SP	11 	0.65	1.5	4.0	11.4	29.9	M1.4	-
1000957	F73111B0015G300SP	11 	0.65	1.5	4.5	11.9	30.4	M1.4	
1024832	F73111B0015G150SP	11 	0.65	1.5	4.5	11.9	30.4	M1.4	
1000954	F73111B0016G300SP	11 	0.65	1.5	5.0	12.4	30.9	M1.4	-
1081808	F73111B0016G150SP	11 	0.65	1.5	5.0	12.4	30.9	M1.4	-
1011579	F73111B0010G150SP	11 	0.70	1.5	3.5	10.9	29.4	M1.4	-
1007777	F73111B0003G150SP	11 	0.70	1.5	4.0	11.4	29.9	M1.4	
1010716	F73111B1009G150SP	11 	0.80	2.0	4.6	11.3	29.8	M1.4	-
1021523	F73112B0019G150SP	12 	0.65	1.4	4.2	11.6	30.1	M1.4	-
1010720	F73112B9008G110SP	12 	0.65	1.5	2.7	8.6	27.1	M1.4	-
1010718	F73112B9007G110SP	12 	0.65	1.5	3.4	9.3	27.8	M1.4	
1008862	F73116B0006G150SP	16 	0.65	1.5	2.1	9.5	28.0	M1.4	-